

ABSTRACT

A golf ball with at least one moisture vapor barrier layer is disclosed. In accordance to one aspect of the invention, the moisture vapor barrier layer may comprise a polysulfide rubber. Polysulfide rubber may be applied to the golf ball in a liquid form curable at an elevated
5 temperature or at room temperature. The liquid form may be mixed from two or more components prior to being applied to the ball. The liquid form may have water mixed therein before being applied to the ball. Alternatively, the liquid form may be applied to the ball without any additional mixing.

The polysulfide rubber may be formed from a solid form that has been heated to a
10 flowable condition and extruded or cast to form the moisture vapor barrier layer. The polysulfide rubber may be dissolved in a solvent and applied to the ball, wherein the solvent is allowed to evaporate or otherwise flashed.

The present invention is also directed to a golf ball comprising a layer of moisture vapor barrier with a moisture vapor transmission rate preferably lower than that of the cover.
15 Preferably, the moisture vapor barrier layer comprises a material curable at room temperature. Preferably the moisture vapor barrier layer is a polysulfide rubber that is curable at room temperature.